

Amendments to the Claims

This listing of the claims will replace all prior versions and listings of the claims in the instant application.

1-20. (Canceled)

21. **(Currently Amended)** An isolated polypeptide fragment of the 350 amino acid Vascular Endothelial Growth Factor-2 polypeptide shown in SEQ ID NO: 4, wherein said fragment retains the amino acid sequence comprising the conserved eight cysteine residues at positions 38, 63, 69, 72, 73, 80, 116 and 118 of SEQ ID NO:4 and migrates on a SDS-PAGE gel at a molecular weight of about 21 kDa.

22. **(Original)** The polypeptide fragment of claim 21, which promotes angiogenesis.

23. **(Original)** The polypeptide fragment of claim 21, which promotes endothelialization.

24. **(Original)** The polypeptide fragment of claim 21, which promotes vascularization.

25-31. (Canceled)

32. **(Previously Presented)** An isolated polypeptide comprising an amino acid sequence at least 95% identical to amino acids 2 to 419 of SEQ ID NO:18, wherein the polypeptide proliferates endothelial cells.

33-35. (Canceled)

36. **(Previously Presented)** The isolated polypeptide of claim 32, wherein the amino acid residues from 154 to 167 of SEQ ID NO:18 are conserved.

37-38. (Canceled)

39. **(Previously Presented)** The isolated polypeptide of claim 32, wherein the Cys residues at positions 131, 173, 209 and 211 of SEQ ID NO:18 are conserved.

40-41. **(Canceled)**

42. **(Original)** An isolated polypeptide comprising a member selected from the group consisting of: (a) amino acids 1 to 419 of SEQ ID NO: 18; (b) amino acids 2 to 419 of SEQ ID NO: 18; and (c) amino acids 47 to 419 of SEQ ID NO: 18.

43. **(Original)** The isolated polypeptide of claim 42, wherein said member is (a).

44. **(Original)** The isolated polypeptide of claim 42, wherein said member is (b).

45. **(Original)** The isolated polypeptide of claim 42, wherein said member is (c).

46. **(Canceled)**

47. **(Original)** An isolated polypeptide comprising amino acids 1-396 in SEQ ID NO:2.

48. **(Previously Presented)** An isolated polypeptide comprising an amino acid sequence at least 95% identical to amino acids -23 to 326 of SEQ ID NO:4, wherein the polypeptide proliferates endothelial cells.

49-54. **(Canceled)**

55. **(Previously Presented)** The isolated polypeptide of claim 48, wherein the amino acid residues from 61 to 74 of SEQ ID NO:4 are conserved.

56-60. **(Canceled)**

61. **(Previously Presented)** The isolated polypeptide of claim 48, wherein the Cys residues at positions 38, 80, 116 and 118 of SEQ ID NO:4 are conserved.

62-66. **(Canceled)**

67. **(Previously Presented)** An isolated polypeptide comprising a member selected from the group consisting of: (a) amino acids -24 to 326 of SEQ ID NO:4; (b) amino acids -23 to 326 of SEQ ID NO:4; (c) amino acids 1 to 326 of SEQ ID NO:4.

68. **(Original)** The isolated polypeptide of claim 67, wherein said member is (a).

69. **(Original)** The isolated polypeptide of claim 67, wherein said member is (b).

70. **(Original)** The isolated polypeptide of claim 67, wherein said member is (c).

71-74. **(Canceled)**

75. **(Original)** A vector containing the polynucleotide of claim 74.

76. **(Original)** A host cell containing the vector of claim 75.

77. **(Previously Presented)** An isolated polypeptide comprising an amino acid sequence at least 95% identical to an amino acid sequence selected from the group consisting of:

- (a) the amino acid sequence of the polypeptide encoded by the cDNA clone contained in ATCC Deposit No. 75698;
- (b) the amino acid sequence of the full-length polypeptide encoded by the cDNA clone contained in ATCC Deposit No. 75698;
- (c) the amino acid sequence of the full-length polypeptide, excluding the N-terminal methionine residue, encoded by the cDNA clone contained in ATCC Deposit No. 75698;

- (d) the amino acid sequence of the full-length polypeptide encoded by the cDNA clone contained in ATCC Deposit No. 97149; and
 - (e) the amino acid sequence of the full-length polypeptide, excluding the N-terminal methionine residue, encoded by the cDNA clone contained in ATCC Deposit No. 97149,
- wherein the polypeptide proliferates endothelial cells.

78. **(Previously Presented)** The isolated polypeptide of claim 77, wherein the amino acid sequence is at least 95% identical to (a).

79. **(Previously Presented)** The isolated polypeptide of claim 77, wherein the amino acid sequence is at least 95% identical to (b).

80. **(Previously Presented)** The isolated polypeptide of claim 77, wherein the amino acid sequence is at least 95% identical to (c).

81. **(Previously Presented)** The isolated polypeptide of claim 77, wherein the amino acid sequence is at least 95% identical to (d).

82. **(Previously Presented)** The isolated polypeptide of claim 77, wherein the amino acid sequence is at least 95% identical to (e).

83. **(Canceled)**

84. **(Previously Presented)** An isolated polypeptide comprising an amino acid sequence selected from the group consisting of:

- (a) the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. 75698;
- (b) the amino acid sequence of the full-length polypeptide encoded by the cDNA clone contained in ATCC Deposit No. 75698;

- (c) the amino acid sequence of the full-length polypeptide, excluding the N-terminal methionine residue, encoded by the cDNA clone contained in ATCC Deposit No. 75698;
- (d) the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. 97149;
- (e) the amino acid sequence of the full-length polypeptide encoded by the cDNA clone contained in ATCC Deposit No. 97149; and
- (f) the amino acid sequence of the full-length polypeptide, excluding the N-terminal methionine residue, encoded by the cDNA clone contained in ATCC Deposit No. 97149.

85. **(Previously Presented)** The isolated polypeptide of claim 84, wherein the amino acid sequence is (a).

86. **(Previously Presented)** The isolated polypeptide of claim 84, wherein the amino acid sequence is (b).

87. **(Previously Presented)** The isolated polypeptide of claim 84, wherein the amino acid sequence is (c).

88. **(Previously Presented)** The isolated polypeptide of claim 84, wherein the amino acid sequence is (d).

89. **(Previously Presented)** The isolated polypeptide of claim 84, wherein the amino acid sequence is (e).

90. **(Previously Presented)** The isolated polypeptide of claim 84, wherein the amino acid sequence is (f).

91. **(Previously Presented)** A fusion protein comprising the isolated protein of claim 21 fused to a heterologous polypeptide.

92. **(Previously Presented)** The isolated protein of claim 21 comprising a homodimer.
93. **(Previously Presented)** The isolated protein of claim 21 which is glycosylated.
94. **(Previously Presented)** A fusion protein comprising the isolated protein of claim 32 fused to a heterologous polypeptide.
95. **(Previously Presented)** The isolated protein of claim 32 comprising a homodimer.
96. **(Previously Presented)** The isolated protein of claim 32 which is glycosylated.
97. **(Previously Presented)** A fusion protein comprising the isolated protein of claim 42 fused to a heterologous polypeptide.
98. **(Previously Presented)** The isolated protein of claim 42 comprising a homodimer.
99. **(Previously Presented)** The isolated protein of claim 42 which is glycosylated.
100. **(Previously Presented)** A fusion protein comprising the isolated protein of claim 47 fused to a heterologous polypeptide.
101. **(Previously Presented)** The isolated protein of claim 47 comprising a homodimer.
102. **(Previously Presented)** The isolated protein of claim 47 which is glycosylated.
103. **(Previously Presented)** A fusion protein comprising the isolated protein of claim 48 fused to a heterologous polypeptide.
104. **(Previously Presented)** The isolated protein of claim 48 comprising a homodimer.
105. **(Previously Presented)** The isolated protein of claim 48 which is glycosylated.

106. **(Previously Presented)** A fusion protein comprising the isolated protein of claim 67 fused to a heterologous polypeptide.
107. **(Previously Presented)** The isolated protein of claim 67 comprising a homodimer.
108. **(Previously Presented)** The isolated protein of claim 67 which is glycosylated.
109. **(Previously Presented)** A fusion protein comprising the isolated protein of claim 77 fused to a heterologous polypeptide.
110. **(Previously Presented)** The isolated protein of claim 77 comprising a homodimer.
111. **(Previously Presented)** The isolated protein of claim 77 which is glycosylated.
112. **(Previously Presented)** A fusion protein comprising the isolated protein of claim 84 fused to a heterologous polypeptide.
113. **(Previously Presented)** The isolated protein of claim 84 comprising a homodimer.
114. **(Previously Presented)** The isolated protein of claim 84 which is glycosylated.